

Multimedia appendix 4. A list of 736 features considered for model derivation

No.	Feature
1	1 ml insulin syringes with needle
2	Abdomen and pelvis CT without co contrast
3	Abdomen narrative x-ray
4	Abdomen us limited
5	Abdomen x-ray ap (supine and upright)
6	Abdominal and Pelvic CT with contrast
7	Acetic acid
8	Activated partial thromboplastin time (APTT) in platelet poor plasma by coagulation assay_abnormal
9	Acute tubular necrosis
10	Acyclovir
11	Age
12	Albuterol sulfate
13	Alcohol antiseptic pads
14	Aliskiren hemifumarate
15	Allopurinol
16	Amiodarone
17	Amitriptyline hcl
18	Amlodipine besylate
19	Amoxicillin
20	Anemia
21	Arteriovenous shunt dialysis report
22	Aspirin
23	Aspirin/dipyridamole
24	Atacand
25	Atenolol
26	Atherosclerotic heart disease (ASHD)
27	atorvastatin (Lipitor)
28	Atorvastatin calcium
29	Avapro
30	Azithromycin
31	Basic metabolic 2000 panel - serum or plasma_abnormal
32	Basic metabolic panel - Blood_abnormal
33	Basic metabolic panel_abnormal
34	Basic metabolic panel_ew only_abnormal
35	Benazepril (Lotensin)
36	Benicar
37	Bimatoprost
38	Blood Gas and Metabolites_abnormal
39	Blood gas, arterial_abnormal
40	Blood Gas, Venous_abnormal
41	Blood sugar diagnostic
42	Blood Urea Nitrogen-higher than normal

- 43 Blood Urea Nitrogen-lower than normal
- 44 Blood Urea Nitrogen-normal
- 45 Blue Cross beneficiary
- 46 Boceprevir
- 47 Bosentan
- 48 Brachiocephalic artery fluoroscopic angiogram angioplasty with contrast ia
- 49 Breast - bilateral mammogram
- 50 Breast ffd mammogram screening
- 51 Brimonidine tartrate
- 52 Budesonide/formoterol fumarate
- 53 Bumetanide
- 54 Bupropion hcl
- 55 Calcitriol
- 56 Calcium acetate
- 57 Calcium carbonate (Tums)
- 58 Calcium supplement
- 59 Cancer
- 60 Candesartan cilexetil
- 61 Candesartan/hydrochlorothiazid
- 62 Captopril (Capoten)
- 63 Cardiac, other
- 64 Cardiovascular disease, unspecified
- 65 Carisoprodol
- 66 Carvedilol
- 67 CBC with differential panel, method unspecified - blood_abnormal
- 68 CBC with ordered manual differential panel - blood_abnormal
- 69 CBC with reflex manual differential panel - blood_abnormal
- 70 CBC with auto differential panel in blood_abnormal
- 71 CBC with Differential_abnormal
- 72 CBC with Ordered Manual Differential panel in Blood_abnormal
- 73 CBC/Manual Differential, Blood_abnormal
- 74 Cephalexin
- 75 Cerebrovascular accident (CVA) / transient ischemic attack (TIA)
- 76 Chem 6_abnormal
- 77 Chem 8_abnormal
- 78 Chemistry profile_abnormal
- 79 Chest pain
- 80 Chest x-ray 2 views
- 81 Chest x-ray pa and lateral
- 82 Chest x-ray portable
- 83 chlorothiazide [(Diuril) (oral or sodium injection)]
- 84 chlorthalidone (Hygroton)
- 85 Chronic condition_Acquired foot deformities
- 86 Chronic condition_Acute and chronic tonsillitis
- 87 Chronic condition_Acute and unspecified renal failure
- 88 Chronic condition_Acute cerebrovascular disease

- 89 Chronic condition_Acute myocardial infarction
- 90 Chronic condition_Alcohol-related disorders
- 91 Chronic condition_Allergic reactions
- 92 Chronic condition_Anxiety disorders
- 93 Chronic condition_Aortic and peripheral arterial embolism or thrombosis
- 94 Chronic condition_Aortic; peripheral; and visceral artery aneurysms
- 95 Chronic condition_Asthma
- 96 Chronic condition_Biliary tract disease
- 97 Chronic condition_Blindness and vision defects
- 98 Chronic condition_Cancer of bladder
- 99 Chronic condition_Cancer of bone and connective tissue
- 100 Chronic condition_Cancer of brain and nervous system
- 101 Chronic condition_Cancer of breast
- 102 Chronic condition_Cancer of bronchus; lung
- 103 Chronic condition_Cancer of cervix
- 104 Chronic condition_Cancer of colon
- 105 Chronic condition_Cancer of esophagus
- 106 Chronic condition_Cancer of head and neck
- 107 Chronic condition_Cancer of kidney and renal pelvis
- 108 Chronic condition_Cancer of liver and intrahepatic bile duct
- 109 Chronic condition_Cancer of other female genital organs
- 110 Chronic condition_Cancer of other GI organs; peritoneum
- 111 Chronic condition_Cancer of other male genital organs
- 112 Chronic condition_Cancer of other urinary organs
- 113 Chronic condition_Cancer of ovary
- 114 Chronic condition_Cancer of pancreas
- 115 Chronic condition_Cancer of prostate
- 116 Chronic condition_Cancer of rectum and anus
- 117 Chronic condition_Cancer of stomach
- 118 Chronic condition_Cancer of testis
- 119 Chronic condition_Cancer of thyroid
- 120 Chronic condition_Cancer of uterus
- 121 Chronic condition_Cancer; other and unspecified primary
- 122 Chronic condition_Cancer; other respiratory and intrathoracic
- 123 Chronic condition_Cardiac and circulatory congenital anomalies
- 124 Chronic condition_Cardiac arrest and ventricular fibrillation
- 125 Chronic condition_Cardiac dysrhythmias
- 126 Chronic condition_Cataract
- 127 Chronic condition_Chronic kidney disease
- 128 Chronic condition_Chronic obstructive pulmonary disease and bronchiectasis
- 129 Chronic condition_Chronic ulcer of skin
- 130 Chronic condition_Coagulation and hemorrhagic disorders
- 131 Chronic condition_Coma; stupor; and brain damage
- 132 Chronic condition_Complication of device; implant or graft
- 133 Chronic condition_Complications of surgical procedures or medical care
- 134 Chronic condition_Conditions associated with dizziness or vertigo

- 135 Chronic condition_Conduction disorders
- 136 Chronic condition_Congestive heart failure; nonhypertensive
- 137 Chronic condition_Coronary atherosclerosis and other heart disease
- 138 Chronic condition_Cystic fibrosis
- 139 Chronic condition_Deficiency and other anemia
- 140 Chronic condition_Delirium, dementia, and amnesia and other cognitive disorders
- 141 Chronic condition_Diabetes mellitus with complications
- 142 Chronic condition_Diabetes mellitus without complication
- 143 Chronic condition_Diabetes or abnormal glucose tolerance complicating pregnancy; childbirth; or the puerperium
- 144 Chronic condition_Digestive congenital anomalies
- 145 Chronic condition_Diseases of white blood cells
- 146 Chronic condition_Disorders of lipid metabolism
- 147 Chronic condition_Disorders of teeth and jaw
- 148 Chronic condition_Diverticulosis and diverticulitis
- 149 Chronic condition_Encephalitis (except that caused by tuberculosis or sexually transmitted disease)
- 150 Chronic condition_Endometriosis
- 151 Chronic condition_Epilepsy; convulsions
- 152 Chronic condition_Esophageal disorders
- 153 Chronic condition_Essential hypertension
- 154 Chronic condition_Female infertility
- 155 Chronic condition_Gangrene
- 156 Chronic condition_Gastritis and duodenitis
- 157 Chronic condition_Gastroduodenal ulcer (except hemorrhage)
- 158 Chronic condition_Gastrointestinal hemorrhage
- 159 Chronic condition_Genitourinary congenital anomalies
- 160 Chronic condition_Genitourinary symptoms and ill-defined conditions
- 161 Chronic condition_Glaucoma
- 162 Chronic condition_Gout and other crystal arthropathies
- 163 Chronic condition_Headache; including migraine
- 164 Chronic condition_Heart valve disorders
- 165 Chronic condition_Hepatitis
- 166 Chronic condition_HIV infection
- 167 Chronic condition_Hodgkin's disease
- 168 Chronic condition_Hyperplasia of prostate
- 169 Chronic condition_Hypertension complicating pregnancy; childbirth and the puerperium
- 170 Chronic condition_Hypertension with complications and secondary hypertension
- 171 Chronic condition_Immunity disorders
- 172 Chronic condition_Infective arthritis and osteomyelitis (except that caused by tuberculosis or sexually transmitted disease)
- 173 Chronic condition_Inflammation; infection of eye (except that caused by tuberculosis or sexually transmitted disease)

- 174 Chronic condition_Inflammatory conditions of male genital organs
- 175 Chronic condition_Inflammatory diseases of female pelvic organs
- 176 Chronic condition_Joint disorders and dislocations; trauma-related
- 177 Chronic condition_Late effects of cerebrovascular disease
- 178 Chronic condition_Leukemias
- 179 Chronic condition_Lung disease due to external agents
- 180 Chronic condition_Lymphadenitis
- 181 Chronic condition_Maintenance chemotherapy; radiotherapy
- 182 Chronic condition_Malaise and fatigue
- 183 Chronic condition_Malignant neoplasm without specification of site
- 184 Chronic condition_Melanomas of skin
- 185 Chronic condition_Menopausal disorders
- 186 Chronic condition_Menstrual disorders
- 187 Chronic condition_Miscellaneous disorders
- 188 Chronic condition_Mood disorders
- 189 Chronic condition_Multiple myeloma
- 190 Chronic condition_Multiple sclerosis
- 191 Chronic condition_Neoplasms of unspecified nature or uncertain behavior
- 192 Chronic condition_Nephritis; nephrosis; renal sclerosis
- 193 Chronic condition_Nervous system congenital anomalies
- 194 Chronic condition_Non-Hodgkin's lymphoma
- 195 Chronic condition_Noninfectious gastroenteritis
- 196 Chronic condition_Nonmalignant breast conditions
- 197 Chronic condition_Nutritional deficiencies
- 198 Chronic condition_Occlusion or stenosis of precerebral arteries
- 199 Chronic condition_Open wounds of extremities
- 200 Chronic condition_Osteoarthritis
- 201 Chronic condition_Osteoporosis
- 202 Chronic condition_Other acquired deformities
- 203 Chronic condition_Other aftercare
- 204 Chronic condition_Other and ill-defined cerebrovascular disease
- 205 Chronic condition_Other and ill-defined heart disease
- 206 Chronic condition_Other and unspecified benign neoplasm
- 207 Chronic condition_Other bone disease and musculoskeletal deformities
- 208 Chronic condition_Other circulatory disease
- 209 Chronic condition_Other CNS infection and poliomyelitis
- 210 Chronic condition_Other complications of pregnancy
- 211 Chronic condition_Other congenital anomalies
- 212 Chronic condition_Other connective tissue disease
- 213 Chronic condition_Other diseases of bladder and urethra
- 214 Chronic condition_Other diseases of kidney and ureters
- 215 Chronic condition_Other diseases of veins and lymphatics
- 216 Chronic condition_Other disorders of stomach and duodenum
- 217 Chronic condition_Other ear and sense organ disorders
- 218 Chronic condition_Other endocrine disorders
- 219 Chronic condition_Other eye disorders

- 220 Chronic condition_Other female genital disorders
- 221 Chronic condition_Other gastrointestinal disorders
- 222 Chronic condition_Other hematologic conditions
- 223 Chronic condition_Other hereditary and degenerative nervous system conditions
- 224 Chronic condition_Other infections; including parasitic
- 225 Chronic condition_Other inflammatory condition of skin
- 226 Chronic condition_Other liver diseases
- 227 Chronic condition_Other lower respiratory disease
- 228 Chronic condition_Other male genital disorders
- 229 Chronic condition_Other nervous system disorders
- 230 Chronic condition_Other non-epithelial cancer of skin
- 231 Chronic condition_Other non-traumatic joint disorders
- 232 Chronic condition_Other nutritional; endocrine; and metabolic disorders
- 233 Chronic condition_Other perinatal conditions
- 234 Chronic condition_Other skin disorders
- 235 Chronic condition_Other upper respiratory disease
- 236 Chronic condition_Other upper respiratory infections
- 237 Chronic condition_Otitis media and related conditions
- 238 Chronic condition_Pancreatic disorders (not diabetes)
- 239 Chronic condition_Paralysis
- 240 Chronic condition_Parkinson's disease
- 241 Chronic condition_Peri-; endo-; and myocarditis; cardiomyopathy (except that caused by tuberculosis or sexually transmitted disease)
- 242 Chronic condition_Peripheral and visceral atherosclerosis
- 243 Chronic condition_Phlebitis; thrombophlebitis and thromboembolism
- 244 Chronic condition_Pleurisy; pneumothorax; pulmonary collapse
- 245 Chronic condition_Pneumonia (except that caused by tuberculosis or sexually transmitted disease)
- 246 Chronic condition_Poisoning by nonmedicinal substances
- 247 Chronic condition_Prolapse of female genital organs
- 248 Chronic condition_Pulmonary heart disease
- 249 Chronic condition_Regional enteritis and ulcerative colitis
- 250 Chronic condition_Rehabilitation care; fitting of prostheses; and adjustment of devices
- 251 Chronic condition_Residual codes; unclassified
- 252 Chronic condition_Respiratory failure; insufficiency; arrest (adult)
- 253 Chronic condition_Retinal detachments; defects; vascular occlusion; and retinopathy
- 254 Chronic condition_Rheumatoid arthritis and related disease
- 255 Chronic condition_Schizophrenia and other psychotic disorders
- 256 Chronic condition_Screening and history of mental health and substance abuse codes
- 257 Chronic condition_Secondary malignancies
- 258 Chronic condition_Sexually transmitted infections (not HIV or hepatitis)
- 259 Chronic condition_Sickle cell anemia

- 260 Chronic condition_Spinal cord injury
261 Chronic condition_Spondylosis; intervertebral disc disorders; other back problems
262 Chronic condition_Substance-related disorders
263 Chronic condition_Systemic lupus erythematosus and connective tissue disorders
264 Chronic condition_Thyroid disorders
265 Chronic condition_Transient cerebral ischemia
266 Chronic condition_Tuberculosis
267 Chronic condition_Urinary tract infections
268 Chronic condition_Viral infection
269 Chronic obstructive pulmonary disorder (COPD)
270 Cilostazol
271 Cinacalcet (Sensipar)
272 Citalopram hydrobromide
273 Clonazepam
274 Clopidogrel bisulfate
275 Clotrimazole and betamethasone dipropionate
276 Codeine/promethazine hcl
277 Colchicine
278 Collagenase clostridium hist.
279 Commercial health insurance beneficiary
280 Complete blood count (hemogram) panel - blood by automated count_abnormal
281 Complete blood count with differential_abnormal
282 Complete blood count_abnormal
283 Comprehensive metabolic 2000 panel - serum or plasma_abnormal
284 Comprehensive metabolic panel_abnormal
285 Congestive heart failure (CHF)
286 Cozaar
287 Creatinine panel_abnormal
288 Cyanocobalamin/fa/pyridoxine
289 Cyclobenzaprine hcl
290 Cyclosporine, modified
291 Dabigatran etexilate mesylate
292 Darbepoetin (Aranesp)
293 Decreased urine output
294 Dexlansoprazole
295 Diabetes mellitus (DM)
296 Differential automated_abnormal
297 Differential_abnormal
298 Digoxin
299 Digoxin [Mass/volume] in Serum or Plasma_abnormal
300 Diltiazem hcl
301 Diovan
302 Dipyridamole

- 303 Disposable insulin needles
- 304 Doxazosin mesylate
- 305 Doxercalciferol (Hectorol)
- 306 Dutasteride
- 307 Dysrhythmia
- 308 edema
- 309 Electrophoresis, Random Urine_abnormal
- 310 Enalapril/Enalaprilat (Vasotec oral and injectable)
- 311 Enlarged prostate
- 312 Epoetin alfa
- 313 Epoetin alfa (Epogen)
- 314 Epoetin alfa (Procrit)
- 315 Eszopiclone
- 316 Exenatide microspheres
- 317 Ezetimibe
- 318 Family history of kidney disease
- 319 Famotidine
- 320 Febuxostat
- 321 Felodipine
- 322 Fenofibrate
- 323 Fenofibrate nanocrystallized
- 324 Fenofibric acid (choline)
- 325 Fentanyl
- 326 Ferric carboxymaltose (Injectafer)
- 327 Ferric gluconate (Ferrlecit)
- 328 Ferric gluconate (Nulecit)
- 329 Ferric pyrophosphate (Triferic)
- 330 Ferrous sulfate
- 331 Ferumoxytol (Feraheme)
- 332 Finasteride
- 333 Fluocinolone acetonide
- 334 Fluoxetine hcl
- 335 Fluticasone propionate
- 336 Fluticasone/salmeterol
- 337 fluvastatin (Lescol, Lescol XL)
- 338 Folic acid
- 339 Folic acid/vitamin b comp w-c
- 340 Fosfomycin tromethamine
- 341 Fosinopril sodium
- 342 Furosemide
- 343 Gabapentin
- 344 Gas panel - arterial blood_abnormal
- 345 Gastrointestinal bleeding disorders (GI)
- 346 Gemfibrozil
- 347 Gender (Male)
- 348 Gentamicin/prednisol ac

- 349 GFR (glomerular filtration rate)-higher than normal
350 GFR (glomerular filtration rate)-lower than normal
351 GFR (glomerular filtration rate)-normal
352 Glimepiride
353 Glipizide
354 Glomerulonephritis
355 Glucagon,human recombinant
356 Glucose [Mass/volume] in Blood by Automated test strip_abnormal
357 Glucose [mass/volume] in capillary blood by glucometer_abnormal
358 Glucose [mass/volume] in capillary blood_abnormal
359 Glyburide
360 Glyburide,micronized
361 Glyburide/metformin hcl
362 Halobetasol propionate
363 Head vessels Magnetic resonance angiography without contrast
364 Hemoglobin and Hematocrit panel - Blood_abnormal
365 Hemoglobin and hematocrit_abnormal
366 Hemogram_abnormal
367 Hepatitis A virus IgM Ab [Presence] in Serum_abnormal
368 Hepatitis C
369 Hip - bilateral x-ray
370 HIV
371 Hum insulin nph/reg insulin hm
372 Hydralazine
373 hydrochlorothiazide (Hydrodiuril)
374 Hydrocodone bitartrate and acetaminophen
375 Hydrocodone/chlorphen polis
376 Hydrocodone/ibuprofen
377 Hydroxyurea
378 Hyperlipidemia
379 Hypertension
380 Hypertensive diseases
381 Income
382 indapamide (Lozol)
383 Indomethacin
384 Inr in platelet poor plasma by coagulation assay_abnormal
385 Inr_abnormal
386 Insulin aspart
387 Insulin detemir
388 Insulin glargine
389 Insulin isophane
390 Insulin lispro
391 Insulin npl/insulin lispro
392 Insulin regular, human
393 Insuln asp prt/insulin aspart
394 Interferon beta-1b

- 395 Interstitial nephritis
- 396 Ipratropium bromide
- 397 Ipratropium/albuterol sulfate
- 398 Iron and iron binding capacity panel - serum or plasma_abnormal
- 399 Iron aspgly&ps cmplx/c/sucac
- 400 Iron aspgly&ps/c/b12/fa/ca/suc
- 401 Iron dextran complex (Dexferrum)
- 402 Iron dextran complex (INFed)
- 403 Iron Sucrose (Venofer)
- 404 Isosorbide dinitrate
- 405 Isosorbide mononitrate
- 406 Kidney stones
- 407 Labetalol hcl
- 408 Lactulose
- 409 Lamotrigine
- 410 Lancets
- 411 Lanthanum carbonate (Fosrenol)
- 412 Latanoprost
- 413 Lead exposure
- 414 Lenalidomide
- 415 Leukocytes [#/volume] in blood_abnormal
- 416 Levothyroxine sodium
- 417 Lidocaine hcl
- 418 Linagliptin
- 419 Lisinopril (Zestril and Prinivil)
- 420 Liver disease
- 421 Loperamide hcl
- 422 Losartan potassium
- 423 lovastatin (Mevacor, Altopen)
- 424 Magnesium oxide
- 425 Manual differential performed [presence] in blood_abnormal
- 426 Meclizine hcl
- 427 Medicare beneficiary
- 428 Melphalan
- 429 Memantine hcl
- 430 Mental status changes
- 431 Meperidine hcl/pf
- 432 Metabolic syndrome
- 433 Metformin hcl
- 434 methyclothiazide (Enduron)
- 435 metolazone (Zaroxolyn, Diulo, Mykrox)
- 436 Metoprolol succinate
- 437 Metoprolol tartrate
- 438 Mexiletine hcl
- 439 Micardis
- 440 Minoxidil

- 441 Mirtazapine
442 Moexipril (Univasc)
443 Mometasone furoate
444 Morphine sulfate
445 Multivitamin with minerals
446 Muscle cramps
447 Muscle twitches
448 Mycophenolate mofetil
449 Naltrexone hcl
450 Nateglinide
451 Natriuretic peptide B [Mass/volume] in Serum or Plasma_abnormal
452 Natriuretic peptide.B prohormone N-Terminal [Mass/volume] in Serum or Plasma_abnormal
453 Nausea
454 Nifedipine
455 Nitrofurantoin macrocrystal
456 Nitrofurantoin monohydrate/macrocrysals
457 Nitroglycerin
458 Number of outpatient visits
459 Number of pre-admission
460 Nystatin
461 Obesity
462 Occupants per room
463 Olmesartan medoxomil
464 Omega-3-acid ethyl esters
465 Omeprazole
466 Other beneficiary
467 Pantoprazole sodium
468 Parathyroid hormone-higher than normal
469 Parathyroid hormone-lower than normal
470 Parathyroid hormone-normal
471 Paricalcitol (Zemplar)
472 Percent bachelor degree of higher
473 Percent high school graduate of higher
474 Percent low-skilled occupation
475 Percent poverty
476 Percent rural population
477 Percutaneous transluminal venous angioplasty report
478 Perindopril (Aceon)
479 Peripheral vascular disease (PWD)
480 Ph, arterial gas_abnormal
481 Phosphate [mass/volume] in serum or plasma_abnormal
482 pitavastatin (Livalo)
483 Point-of-care testing (POCT) for glucose _abnormal
484 Polycystic kidney disease
485 Polyethylene glycol 3350

- 486 Potassium [Moles/volume] in Serum or Plasma_abnormal
487 Potassium chloride
488 Potassium-higher than normal
489 Potassium-lower than normal
490 Potassium-normal
491 Pr_9714_replac m/s immob dev nec
492 pravastatin (Pravachol)
493 Prednisone
494 Primary diagnosis_Burn of unspecified degree of nose (septum)
495 Primary diagnosis_Intermittent heterotropia, unspecified
496 Primary diagnosis_Acute, but ill-defined, cerebrovascular disease
497 Primary diagnosis_Anemia in end-stage renal disease
498 Primary diagnosis_Anemia unspecified
499 Primary diagnosis_Atrial fibrillation
500 Primary diagnosis_Benign neoplasm of major salivary glands
501 Primary diagnosis_Blister finger
502 Primary diagnosis_Chronic interstitial cystitis
503 Primary diagnosis_Chronic venous hypertension with ulcer (begin 2002)
504 Primary diagnosis_Closed fracture of shaft of fibula with tibia
505 Primary diagnosis_Cong/herid thromb purpa
506 Primary diagnosis_Diabetes with other specified manifestations
507 Primary diagnosis_Dvrtcli colon (w/o hmrhg) (begin 1980)
508 Primary diagnosis_Empyema without mention of fistula
509 Primary diagnosis_Endophthalmitis nec
510 Primary diagnosis_Exotropia, unspecified
511 Primary diagnosis_Giant cell arteritis
512 Primary diagnosis_Heart transplant status
513 Primary diagnosis_Hyper hrt/ren nos w chf (begin 1989)
514 Primary diagnosis_Injury to unspecified blood vessel of thorax
515 Primary diagnosis_Insect bite nec
516 Primary diagnosis_Lesion of ulnar nerve
517 Primary diagnosis_Long-term (current) use of anticoagulants
518 Primary diagnosis_Malig neo subglottis
519 Primary diagnosis_Malignant neo colon, unspecified
520 Primary diagnosis_Malignant neoplasm of bronchus and lung, unspecified
521 Primary diagnosis_Nonhealing surg wnd (begin 1996)
522 Primary diagnosis_Open wnd knee/leg/ankle
523 Primary diagnosis_Other and unspecified hyperlipidemia
524 Primary diagnosis_Other and unspecified intracranial hemorrhage following injury without mention of open intracranial wound, with brief [less than one hour] loss of consciousness
525 Primary diagnosis_Other arterial embolism and thrombosis of abdominal aorta
526 Primary diagnosis_Other diseases of trachea and bronchus
527 Primary diagnosis_Other optic neuritis
528 Primary diagnosis_Other specified antibiotics causing adverse effects in therapeutic use

- 529 Primary diagnosis_Other specified dermatomycoses
530 Primary diagnosis_Other specified megaloblastic anemias
531 Primary diagnosis_Otorrhea nec
532 Primary diagnosis_Perforation of tympanic membrane, unspecified
533 Primary diagnosis_Peripheral T cell lymphoma, unspecified site, extranodal and solid organ sites
534 Primary diagnosis_Peripheral vascular disease, unspecified
535 Primary diagnosis_Ptosis of eyelid, unspecified
536 Primary diagnosis_Purulent endophthalm nos
537 Primary diagnosis_Secondary malignant neoplasm of mediastinum
538 Primary diagnosis_Senile nuclear sclerosis
539 Primary diagnosis_Spasm of muscle
540 Primary diagnosis_Spontan bact peritonitis (begin 2005)
541 Primary diagnosis_Stridor
542 Primary diagnosis_Subdural hemorrhage following injury without mention of open intracranial wound, unspecified state of consciousness
543 Primary diagnosis_Supraspinatus (muscle) (tendon) sprain
544 Primary diagnosis_Unspecified cirrhosis of liver
545 Primary diagnosis_Varicose veins of lower extremities with ulcer
546 Promethazine hcl
547 Promethazine hcl/codeine
548 Propranolol hcl
549 Protein [mass/volume] in urine_abnormal
550 Protein and Glucose panel - Urine by Test strip_abnormal
551 Protein urine timed collection_abnormal
552 Protein, Urine_abnormal
553 Prothrombin time (pt) in platelet poor plasma by coagulation assay_abnormal
554 Prothrombin time with international normalized ratio
555 PT panel - Platelet poor plasma by Coagulation assay_abnormal
556 Pyelonephritis
557 Quetiapine fumarate
558 Quinapril (Accupril)
559 Race-American Indian and Alaska Native
560 Race-Asian
561 Race-Black or African American
562 Race-Hispanic
563 Race-Native Hawaiian and Other Pacific Islander
564 Race-Other
565 Race-Unknown
566 Race-White
567 Ramipril (Altace)
568 Ranitidine hcl
569 Renal function 2000 panel - serum or plasma_abnormal
570 Renal function panel_abnormal
571 Renter occupied
572 Rifaximin

- 573 Rivaroxaban
574 Roflumilast
575 Ropinirole hcl
576 rosuvastatin (Crestor)
577 Salmeterol xinafoate
578 Saxagliptin hcl
579 Secondary diagnosis_ Moderate nonproliferative diabetic retinopathy
580 Secondary diagnosis_ accidental poisoning by glues and adhesives
581 Secondary diagnosis_ Achalasia and cardiospasm
582 Secondary diagnosis_ anemia in end-stage renal disease (begin 2000)
583 Secondary diagnosis_ atrial fibrillation
584 Secondary diagnosis_ Atrophic flaccid tympanic membrane
585 Secondary diagnosis_ Attention to ileostomy
586 Secondary diagnosis_ autoimmune hepatitis
587 Secondary diagnosis_ Bacteroides fragilis
588 Secondary diagnosis_ Behcet's syndrome
589 Secondary diagnosis_ chronic skin ulcer nec
590 Secondary diagnosis_ chronic venous hypertension with ulcer
591 Secondary diagnosis_ Congestive heart failure
592 Secondary diagnosis_ Dehydration
593 Secondary diagnosis_ diabetes mellitus type ii uncontrolled
594 Secondary diagnosis_ Diabetes mellitus without mention of complication, type II
595 Secondary diagnosis_ Diabetes with neurological manifestations, type I
uncontrolled
596 Secondary diagnosis_ Diabetes with other specified manifestations
597 Secondary diagnosis_ Gastroparesis
598 Secondary diagnosis_ Gonococcal peritonitis
599 Secondary diagnosis_ Heart transplant status
600 Secondary diagnosis_ Hemodialysis
601 Secondary diagnosis_ Hypoparathyroidism
602 Secondary diagnosis_ Iron deficiency anemia, unspecified
603 Secondary diagnosis_ Longterm use anticoag
604 Secondary diagnosis_ Malignant neoplasm of body of pancreas
605 Secondary diagnosis_ Malignant neoplasm of hypopharynx, unspecified site
606 Secondary diagnosis_ Malignant neoplasm of upper respiratory tract, part
unspecified
607 Secondary diagnosis_ Methicillin susceptible Staphylococcus aureus in
conditions classified elsewhere and of unspecified site
608 Secondary diagnosis_ myoclonus
609 Secondary diagnosis_ Nonexudat macular degeneration
610 Secondary diagnosis_ Occlusion and stenosis of multiple and bilateral
precerebral arteries without mention of cerebral infarction
611 Secondary diagnosis_ Other accident caused by striking against or being struck
accidentally by objects or persons
612 Secondary diagnosis_ Other and unspecified Escherichia coli
613 Secondary diagnosis_ Other and unspecified hyperlipidemia

- 614 Secondary diagnosis_Other specified anemias
- 615 Secondary diagnosis_Other specified surgical operations and procedures causing abnormal patient reaction, or later complication, without mention of misadventure at time of operation
- 616 Secondary diagnosis_other vulvodynia
- 617 Secondary diagnosis_Partial epilepsy and epileptic syndromes with simple partial seizures
- 618 Secondary diagnosis_Percutaneous transluminal coronary angioplasty status
- 619 Secondary diagnosis_Perforation of tympanic membrane, unspecified
- 620 Secondary diagnosis_rectal prolapse
- 621 Secondary diagnosis_Reflex sympathetic dystrophy, unspecified
- 622 Secondary diagnosis_Renal dialysis status
- 623 Secondary diagnosis_Restless legs syndrome
- 624 Secondary diagnosis_Secondary malignant neoplasm of lung
- 625 Secondary diagnosis_Secondary malignant neoplasm of other digestive organs and spleen
- 626 Secondary diagnosis_stridor
- 627 Secondary diagnosis_therapeutic drug monitoring
- 628 Secondary diagnosis_Ulcer of other part of foot
- 629 Secondary diagnosis_ulcer of other part of lower limb
- 630 Secondary diagnosis_Unspecified cirrhosis of liver
- 631 Secondary diagnosis_Unspecified disorder of metabolism
- 632 Secondary diagnosis_Unspecified heart failure
- 633 Secondary diagnosis_Unspecified open wound of ocular adnexa
- 634 Secondary diagnosis_Unspecified protein-calorie malnutrition
- 635 Secondary diagnosis_urGENCY of urination
- 636 Secondary diagnosis_urinary frequency
- 637 Secondary diagnosis_vitreous degeneration
- 638 Seizure
- 639 Serum Albumin-higher than normal
- 640 Serum Albumin-lower than normal
- 641 Serum Albumin-normal
- 642 Serum Bicarbonate-higher than normal
- 643 Serum Bicarbonate-lower than normal
- 644 Serum Bicarbonate-normal
- 645 Serum Calcium-higher than normal
- 646 Serum Calcium-lower than normal
- 647 Serum Calcium-normal
- 648 Serum Creatinine-higher than normal
- 649 Serum Creatinine-lower than normal
- 650 Serum Creatinine-normal
- 651 Serum Phosphorous-higher than normal
- 652 Serum Phosphorous-lower than normal
- 653 Serum Phosphorous-normal
- 654 Sevelamer (renagel)
- 655 Sevelamer (Renvela)

- 656 Sevelamer carbonate
657 Sevelamer hcl
658 Shortness of breath
659 Sickle cell trait
660 Sildenafil citrate
661 Silodosin
662 Silver sulfadiazine
663 simvastatin (Zocor)
664 Sitagliptin phosphate
665 Smear review_abnormal
666 Smoking
667 Sodium bicarbonate
668 Sodium polystyrene sulfonate
669 Sotalol hcl
670 Speaking a language other than English
671 Spine cervical CT without contrast
672 Spine cervical x-ray ap and oblique and lateral with flexion and with extension
673 Spine lumbar CT without contrast
674 Spironolactone
675 Sucroferric oxyhydroxide (Velphoro)
676 Sunitinib malate
677 Syring w-ndl,disp,insul,0.5ml
678 Syringe w-ndl, disp., insulin
679 Syringe w-needle,disposab,3ml
680 Tamsulosin hcl
681 Temazepam
682 Terazosin hcl
683 Teveten
684 Theophylline anhydrous
685 Ticlopidine hcl
686 Tiotropium bromide
687 Tolterodine tartrate
688 Topiramate
689 Torsemide
690 Total cost
691 Total length of inpatient stay
692 Total number of chronic conditions
693 Total number of diagnoses
694 Total number of lab tests
695 Total number of lab tests with abnormal results
696 Total number of medications
697 Total number of radiology tests
698 Total Parenteral Nutrition (TPN_abnormal Panel_abnormal
699 Tramadol hcl
700 Trandolapril (Mavik)
701 Triamterene

- 702 Trimethoprim
703 Troponin i protocol 4_abnormal
704 Type 1 diabetes
705 Type 2 diabetes
706 Unemployment rate
707 Uninsured rate
708 Unspecified hypertension
709 Urea nitrogen [Mass/volume] in Serum or Plasma_abnormal
710 Urinalysis complete w reflex culture panel - urine_abnormal
711 Urinalysis dipstick W Reflex Microscopic panel in Urine_abnormal
712 Urinalysis dipstick with Reflex to Microscopic panel I - urine_abnormal
713 Urinalysis Microscopic_abnormal
714 Urinalysis panel - urine by auto_abnormal
715 Urinalysis reflex testing_abnormal
716 Urinalysis with Microscopic if indicated_abnormal
717 Urinalysis with Microscopic included
718 Urinalysis, culture if indicated_abnormal
719 Urine Albumin Creatinine Ratio-higher than normal
720 Urine Albumin Creatinine Ratio-lower than normal
721 Urine Albumin Creatinine Ratio-normal
722 Ursodiol
723 USP + SEDIMENT (REFLEX)_abnormal
724 Valsartan
725 Valsartan/hydrochlorothiazide
726 Vancomycin hcl
727 Venlafaxine hcl
728 Vesicoureteral reflux
729 Vit b cmplx 3/fa/vit c/biotin
730 VITAMIN D 25 HYDROX_abnormal
731 Vitamin D supplement
732 Vomiting
733 Warfarin sodium
734 Weakness/Fatigue
735 Wrist - right x-ray
736 Zolpidem tartrate
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